

(2) is a scaled version of (1) for 12.5 kHz channels.

Reference: § 22.505, § 90.635 Antenna height-power limit, § 22.506, § 90.205 Power

Change needed: Should be revised to allow base station power proportional to authorized bandwidth and equivalent to that allowed for today's 900 MHz nationwide paging systems.

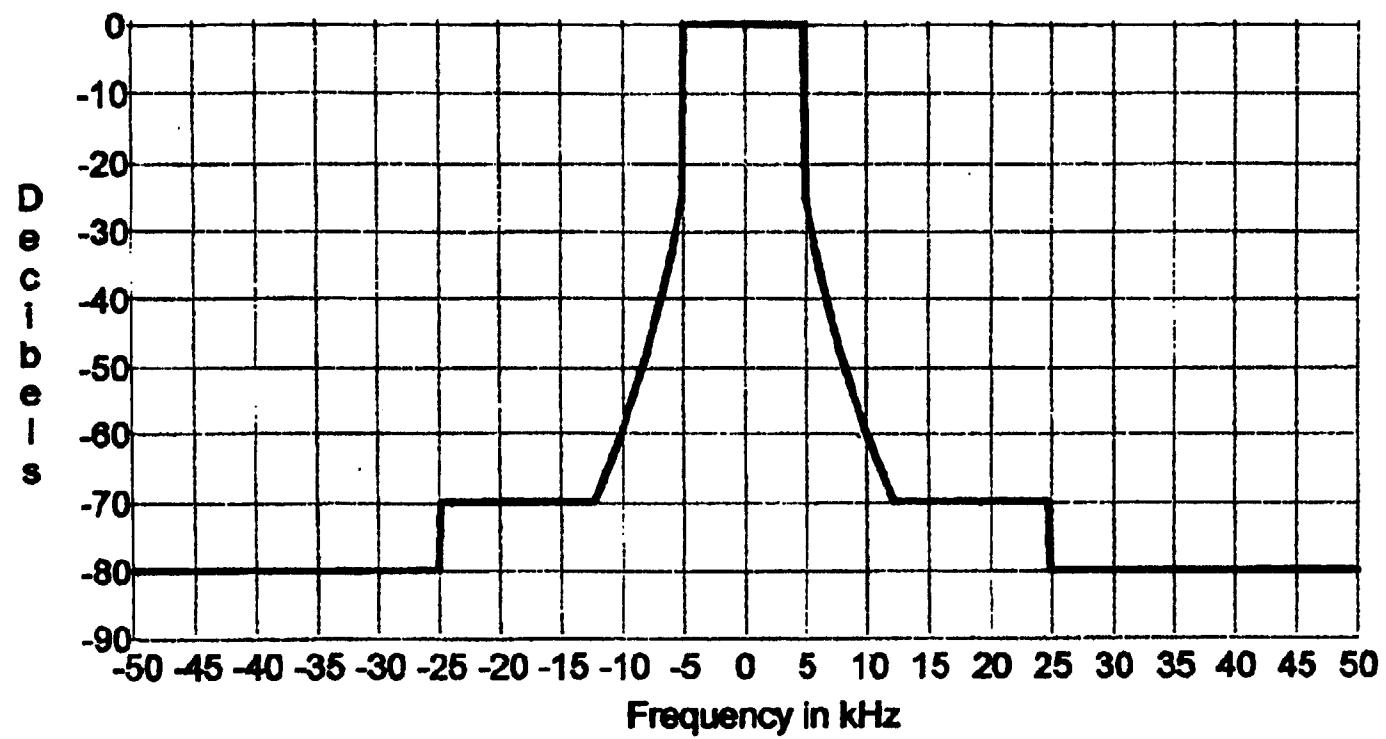
Reason: Wider bandwidth channels need more power for the same coverage. In addition, an operator might choose to split his/her channel into multiple channels.

Reference: § 22.505, § 90.635 Antenna height-power limit, § 22.506, § 90.205 Power

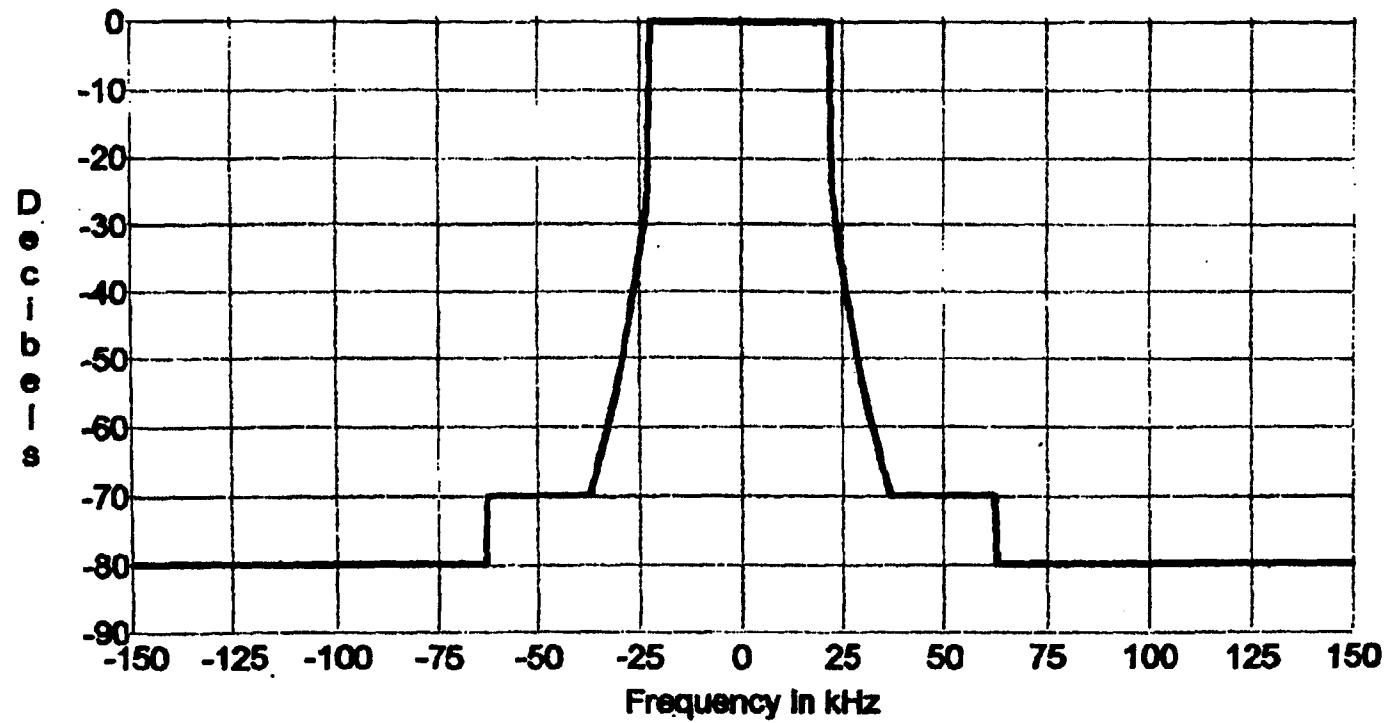
Change needed: Should change "power" to "average power" and "ERP" to "average ERP".

Reason: Instantaneous power varies for non-FM transmitters. Some new technologies have suppressed carrier or no carrier, so carrier power cannot be used for a reference. Interference potential generally follows average power, so it is a good reference. Power and average power are the same for FM systems, so the power allowed for older technologies would not be affected by this change. This removes an ambiguity in the current rules.

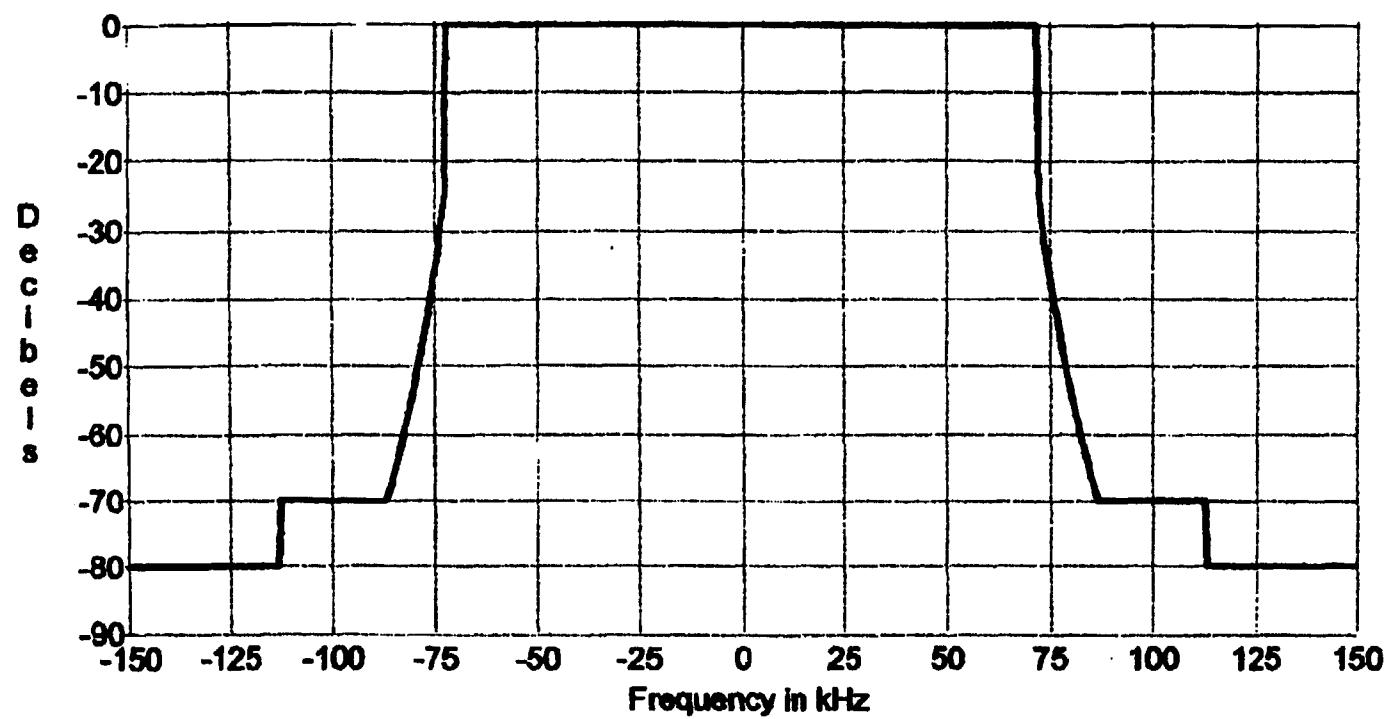
Emission limit - 12.5 kHz channel



Emission limit - 50 kHz channel



Emission limit - 150 kHz channel



APPENDIX B

EXTENSION OF PCS-TO FIXED M/W COORDINATION TABLE

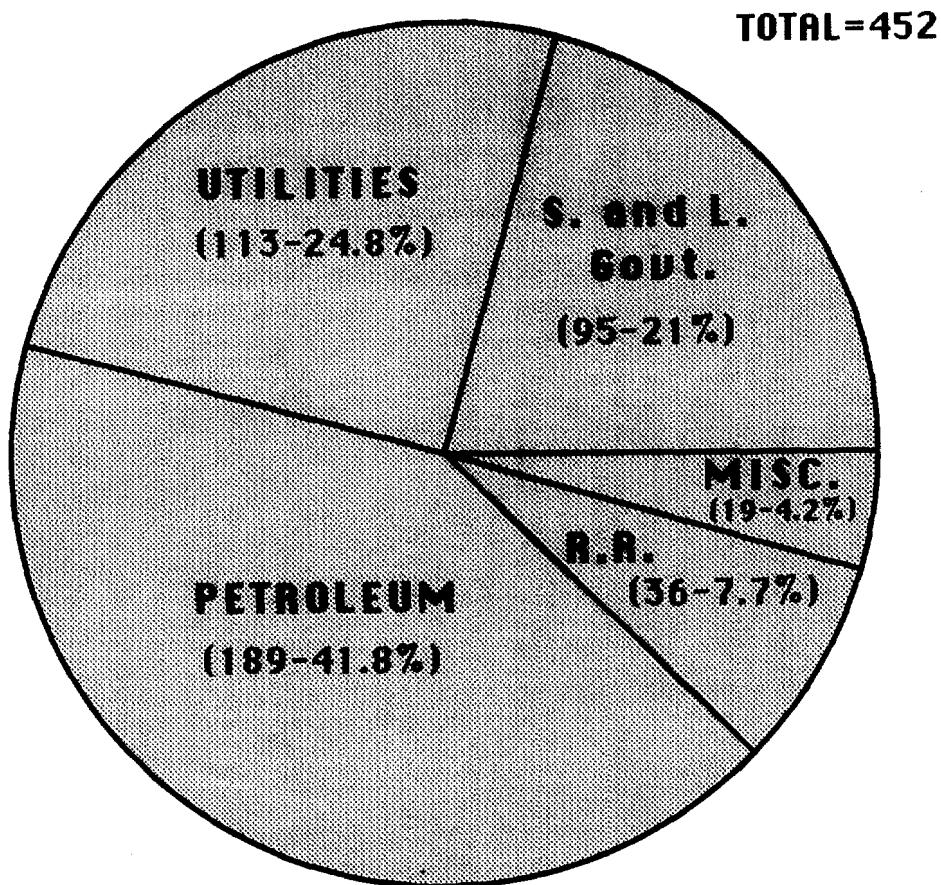
Coordination Distances in Kilometers (Miles) for Low Base Height PCS Service

EIRP (watts)	PCS Base Station Antenna Height Above Average Terrain in Meters (Feet)				
	5 (16)	10 (33)	20 (66)	30 (98)	50 (164)
1	83 (52)	87 (54)	93 (58)	97 (60)	104 (65)
2	109 (68)	114 (71)	120 (75)	124 (77)	130 (81)
5	144 (89)	149 (93)	155 (96)	159 (99)	165 (103)
10	171 (106)	175 (109)	181 (112)	185 (115)	192(119)
20	197 (122)	201 (125)	207 (129)	212 (132)	218 (135)
50	232 (144)	236 (147)	242 (150)	247 (153)	253 (157)
100	259 (161)	263 (163)	269 (167)	273 (170)	280 (174)
200	285 (177)	289 (180)	295 (183)	300 (186)	306 (190)
500	320 (199)	324 (201)	330 (205)	335 (208)	341 (212)
1000	347 (216)	351 (218)	357 (222)	361 (224)	368 (229)

APPENDIX C

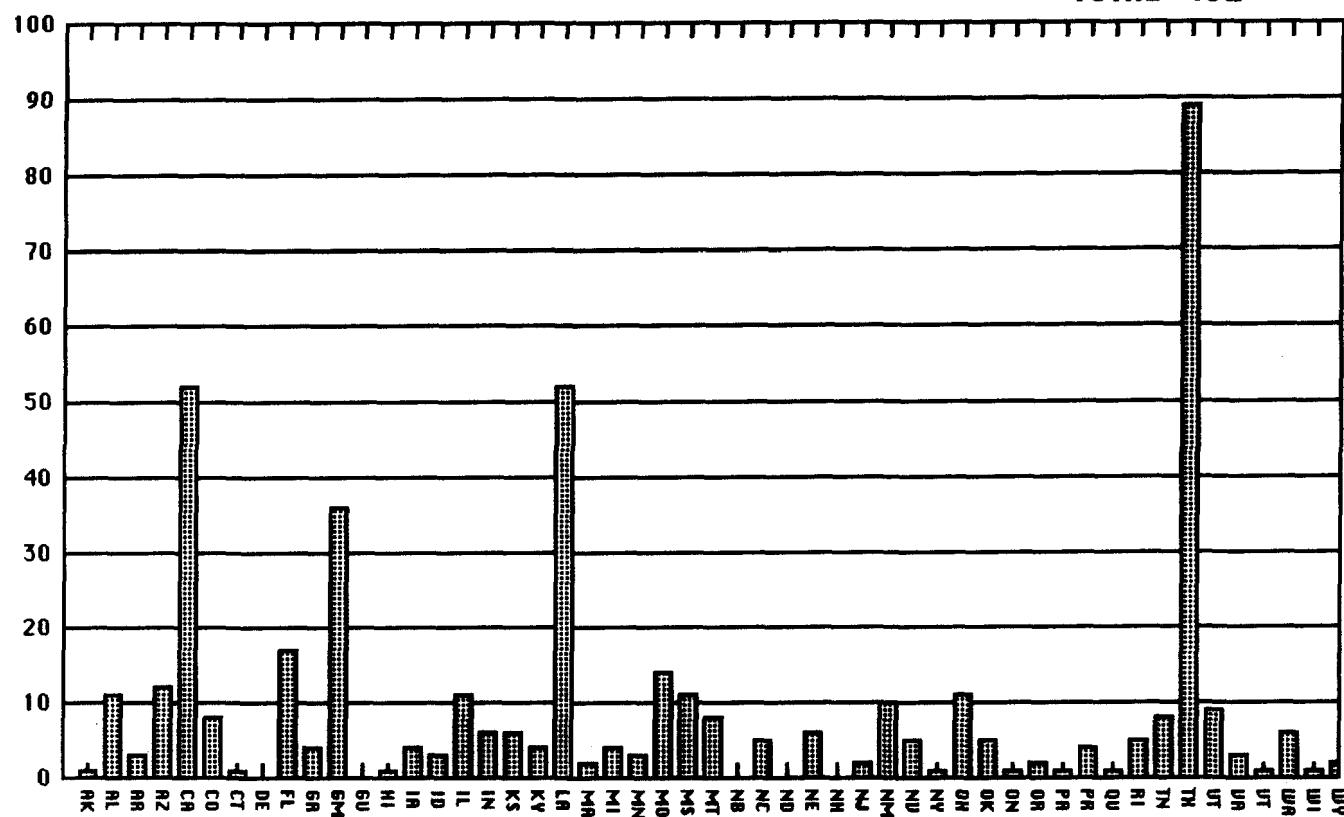
1910-1930 MHZ FIXED M/W POPULATION

**MICROWAVE LINKS
BY TYPE
(1910-1930MHz)
(U.S.)**



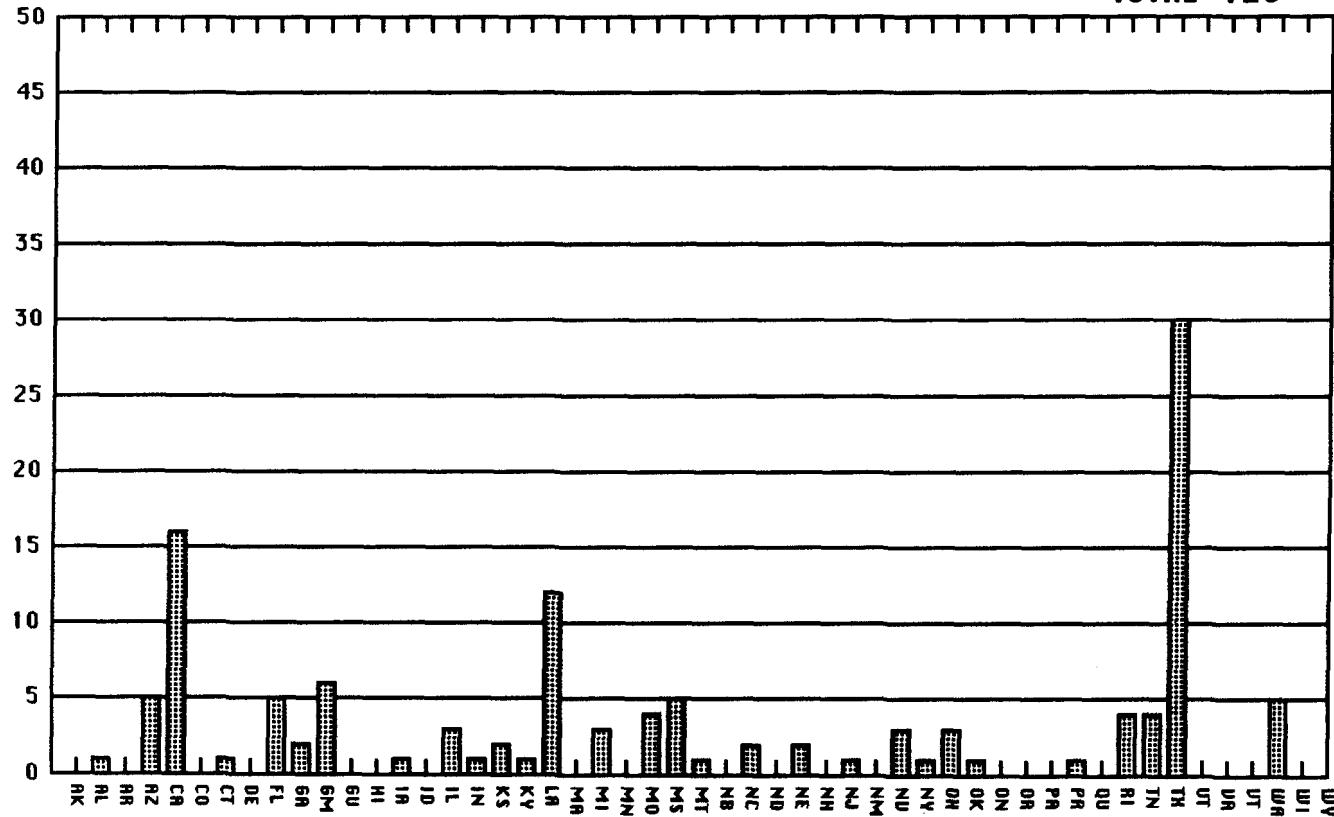
**U.S. 1910-1930MHZ LINKS
BY STATE**

TOTAL-452



U.S. "UNCLEARABLE" 1910-1930MHZ LINKS
BY STATE**

TOTAL-126



*THE CORRESPONDING DUPLEX FREQUENCY FOR THESE LINKS LIES BETWEEN 1970-1990MHZ
AND WOULD NOT BE AUTOMATICALLY CLEARED BY INTERESTS IN THE 1850-1970MHZ REGION.